

# Purven Bhavsar

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## Professional Summery

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Professional Summery Highly motivated Computer Engineer with a strong foundation in **statistics**, **machine learning** and **programming languages** like **Python** and **R**, seeking an entry-level data scientist role to apply analytical skills to solve complex problems through **data analysis** and **predictive modeling**, supported by relevant academic projects demonstrating proficiency in **data cleaning**, **visualization**, and **model development**.

## Education

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**Gujarat Technological University**, B.Tech in Computer Engineering June 2021 – October 2025

- CGPA: 6.72/10.0 (a link to sem 7 mark-sheet)
- **Coursework:** Computer Architecture, Learning Algorithms, Computational Theory, Data Science

## Experience

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**Data Science Intern**, OasisInfobyte-Remote June 2023 – July 2023

- Gained hands-on experience in end-to-end data science tasks and improving my efficiency by **45%**
- I have built a **machine learning model** from scratch and implemented it with high efficiency, achieving optimal results.

## Projects

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**Email Spam Detection** github.com/PB515/Project

- The machine learning model is recreated, improving the **precision of the classification** by **25%**. Implemented data collection, preparation, exploratory data analysis (EDA), feature engineering, model development, evaluation, and deployment to improve detection efficiency.
- Tools used: Python, Pandas, Jupiter Notebook

**Iris flower ML Model** github.com/PB515/Project

- Developed a machine learning model to classify Iris flower species **with high accuracy**. The project involved data collection, preparation, exploratory data analysis (EDA), model training using various algorithms, and performance optimization and achieved a **78% accuracy rate**, improving classification efficiency by **30%**
- Tools used: Python, Numpy, Pandas, Sklearn

**Unemployment Analyses** github.com/PB515/Project

- I analyzed the unemployment trends during COVID-19 using **real-world datasets**, performing data preprocessing, EDA, and visualizations to assess the impact of the pandemic. I developed predictive models using machine learning algorithms, achieving **65% precision** in forecasting unemployment rates and identifying key economic factors that influence job losses and recovery trends.
- Tools used: Python, Numpy, Sklearn, Matplotlib

**EDA of Zomato Data Set** github.com/PB515/Project

- Conducted exploratory data analysis (EDA) on the Zomato dataset to analyze restaurant trends, ratings, price distributions, and customer preferences. It involved data cleaning, visualization, and statistical analysis to identify key factors influencing restaurant performance.
- Tools used: Python, Pandas, Sklearn, Matplotlib

## Technologies

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**Languages:** C, Python, Html, CSS

**Libraries:** Pandas, Numpy, Matplotlib, Sklearn

**IDE:** Visual Studio Code, Jupiter Notebook, Google Collab